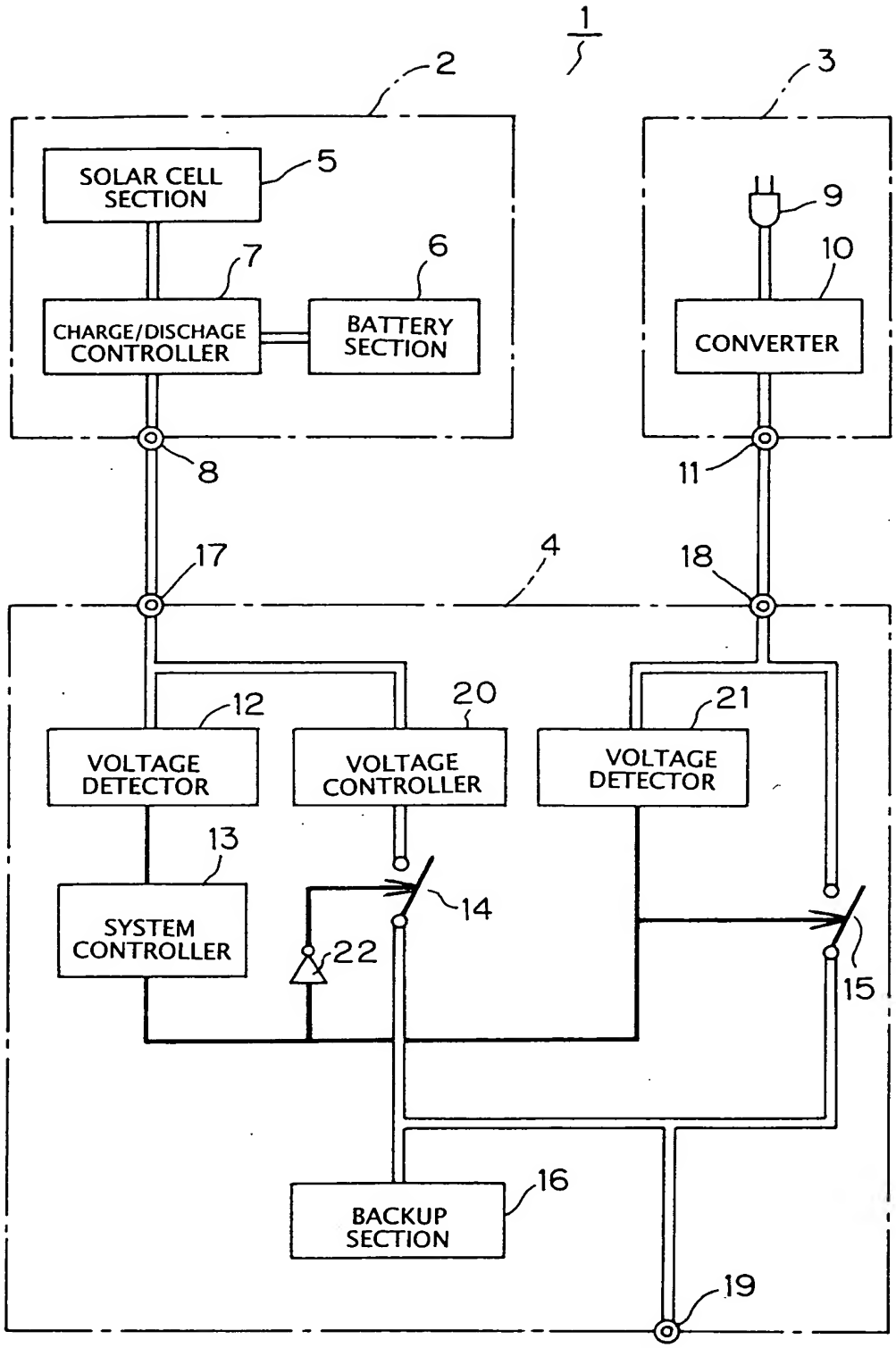
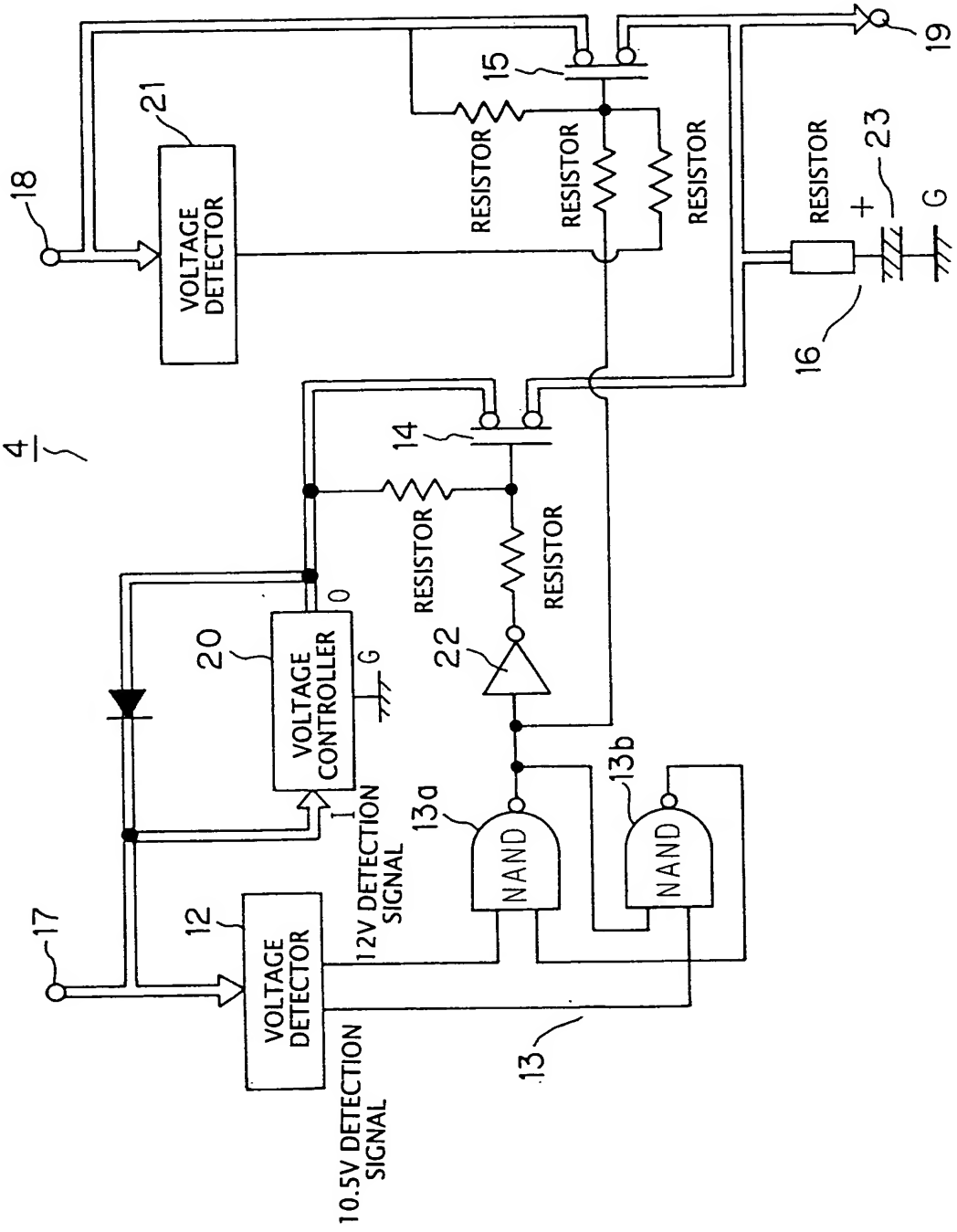
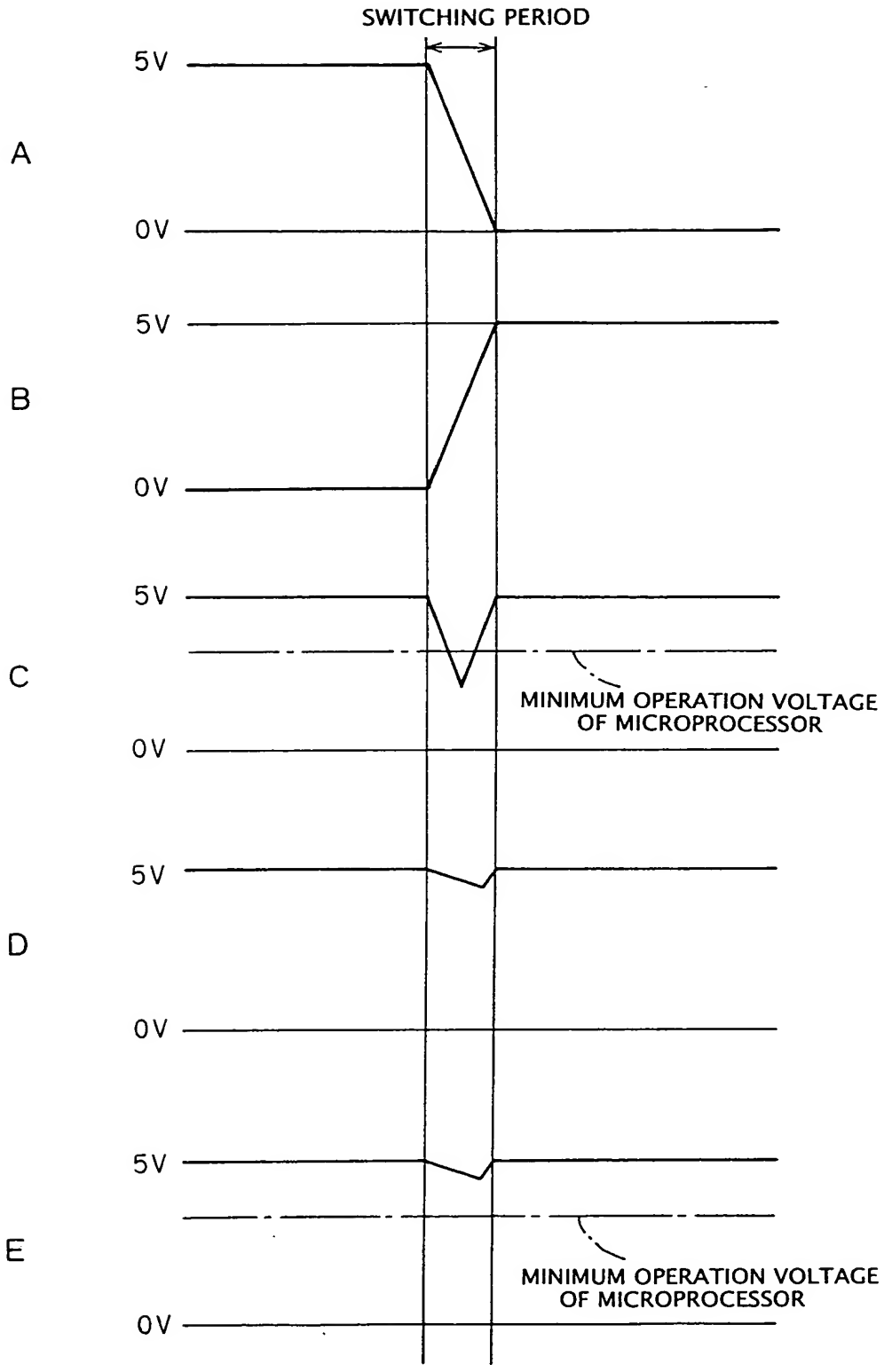

1
2
3
SOLAR CELL SECTION
5
9
7
6
10
CHARGE/DISCHAGE CONTROLLER
BATTERY SECTION
CONVERTER
8
11
17
4
18
12
20
21
VOLTAGE DETECTOR
VOLTAGE CONTROLLER
VOLTAGE DETECTOR
13
14
SYSTEM CONTROLLER
22
15
16
BACKUP SECTION
19


4
18
21
VOLTAGE DETECTOR
15
RESISTOR
RESISTOR
RESISTOR
RESISTOR
23
+
G
19
16
14
RESISTOR
RESISTOR
20
VOLTAGE CONTROLLER
0
G
1
22
13a
NAND
13b
NAND
12V DETECTION SIGNAL
17
12
VOLTAGE DETECTOR
10.5V DETECTION SIGNAL
13


SWITCHING PERIOD
5V
A
0V
5V
B
0V
5V
C
MINIMUM OPERATION VOLTAGE
OF MICROPROCESSOR
0V
5V
D
0V
5V
E
MINIMUM OPERATION VOLTAGE
OF MICROPROCESSOR
0V